

Course Approval Form

For approval of new courses and deletions or modifications to an existing course.

registrar.gmu.edu/facultystaff/curriculum

Action Requested:

☒ Create new course ☐ Inactivate existing course

☐ Modify existing course (check all that apply)

☐ Title ☐ Credits ☒ Repeat Status ☐ Grade Type

☐ Prereq/coreq ☐ Schedule Type ☐ Restrictions

Other: _____

Course Level:

☒ Undergraduate

☐ Graduate

College/School: College of Science Department: Biology

Submitted by: Anne Verhoeven Ext: 3-1572 Email: averhoev@gmail.com

Subject Code: MLAB Number: 409 Effective Term: ☐ Fall ☒ Spring ☐ Summer Year: 2018

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Title: Current Clinical Histology Practicum

Banner (30 characters max including spaces) _____

New _____

Credits: (check one) ☐ Fixed ☒ Variable 1 or 99 to 99

Repeat Status: (check one) ☐ Not Repeatable (NR) ☐ Repeatable within degree (RD) ☐ Repeatable within term (RT) Maximum credits allowed: 99

Grade Mode: (check one) ☒ Regular (A, B, C, etc.) ☐ Satisfactory/No Credit ☐ Special (A, B, C, etc. +IP)

Schedule Type: (check one) ☐ Lecture (LEC) ☐ Lab (LAB) ☒ Recitation (RCT) ☐ Internship (INT)

☐ Independent Study (IND) ☐ Seminar (SEM) ☐ Studio (STU)

Prerequisite(s): Completion of requirements for BS with major in Medical Laboratory Science except for the 30 credits of professional study.

Corequisite(s): _____

Instructional Mode: ☒ 100% face-to-face ☐ Hybrid: ≤ 50% electronically delivered ☐ 100% electronically delivered

Restrictions Enforced by System: Major, College, Degree, Program, etc. Include Code. _____

Are there equivalent course(s)? ☐ Yes ☒ No

If yes, please list _____

Catalog Copy for NEW Courses Only (Consult University Catalog for models)

Description (No more than 60 words, use verb phrases and present tense)	Notes (List additional information for the course)
Hands on rotations in histologic fixations, tissue processing, slide preparation and staining.	

Indicate number of contact hours: _____

When Offered: (check all that apply) ☒ Fall ☐ Summer ☒ Spring

Hours of Lecture or Seminar per week: _____ Hours of Lab or Studio: _____

Approval

2017 _____

College/School Approval _____ Date _____

by any other units, the originating department must circulate this proposal for review by mission. Failure to do so will delay action on this proposal.

Unit Approver's Name	Unit Approver's Signature	Date

For Graduate Courses Only

Graduate Council Member _____ Provost Office _____ Graduate Council Approval Date _____

Course Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference.
Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL COURSES (required)

Course Number and Title: BIOL 409

Date of Departmental Approval: February 17, 2017

FOR INACTIVATED/REINSTATED COURSES (required if inactivating/reinstating a course)

- Reason for Inactivating/Reinstating:

FOR MODIFIED COURSES (required if modifying a course)

- Summary of the Modification:

FOR NEW COURSES (required if creating a new course)

Reason for the New Course:

Medical Laboratory Science (MLAB) requires students to take 1 year of class/clinical training at one of GMU's affiliated hospitals/university. Recently we have decided to add a concentration in histology. In order to accommodate this change we are requesting that MLAB 409 be added to our program. MLAB 409 would encompass the practicum courses taught by our affiliated clinical training programs. Each program will assign a variable amount of credit for this class.

- Relationship to Existing Programs:
None
- Relationship to Existing Courses:
None
- Semester of Initial Offering:
Spring 2018
- Proposed Instructors:
Affiliated Faculty at Affiliated Clinics and Hospitals
- Insert Tentative Syllabus Below

Syllabus

MLAB 409: Clinical Histology Practicum

To be taught by Affiliated Clinical Faculty from Sentara in Harrisonburg and from INOVA Fairfax.

The course will consist of four modules. Each module will consist of hands-on rotations in each of six hospital histology labs.

Module 1: Fixation Practicum

Students will receive laboratory instruction in all current histologic fixation techniques with clinical correlation, QC and computer operation.

Module 2: Processing and Embedding Practicum

Students will receive laboratory instruction on specimen dissection, different tissues, microarray, automated tissue processing, troubleshooting and maintenance to include all techniques utilized in processing and embedding.

Module 3: Microtomy Practicum

Laboratory instruction on principles of microtomy applicable to both paraffin and frozen sections and techniques necessary to provide quality microscope slides for clinical and research histology.

Module 4: Staining Practicum

Laboratory instruction on staining, properties of dyes, troubleshooting staining, H & E plus special stains, clinical correlation, techniques in immunofluorescence, immunochemistry, QC, electron microscopy, and quantitative data from microscopic specimens. Solving problems with staining will be addressed with both identification and potential resolution.

Grading:

There will be an exam on each module

Exam Average from the 4 exams

A = 90% and above

B = 80% - 89%

C = 70%- 79%

Failing: less than 70%

Students with less than 70% will be withdrawn from the program.

Academic Integrity

GMU is an Honor Code university; please see the University Catalog for a full description of the code and the honor committee process. The principle of academic integrity is taken very seriously and violations are treated gravely. What does academic integrity mean in this course? Essentially this: when you are responsible for a task, you will perform that task. When you rely on someone else's work in an aspect of the performance of that task, you will give full credit to those people in the proper, accepted form. When doing homework, the work must be yours. It is totally unacceptable to copy the work of another student in this course in any form.

GMU Email Accounts

Students must use their Mason email account to receive important University information, including messages related to this class. See <http://masonlive.gmu.edu> for more information.

Other Useful Campus Resources:

Writing Center: A114 Robinson Hall; (703) 993-1200; <http://writingcenter.gmu.edu>

UNIVERSITY LIBRARIES "Ask a Librarian" <http://library.gmu.edu/mudge/IM/IMRef.html>

Counseling and Psychological Services (CAPS): (703) 993-2380; <http://caps.gmu.edu>

University Policies

The University Catalog, <http://catalog.gmu.edu>, is the central resource for university policies affecting student, faculty, and staff conduct in university academic affairs. Other policies are available at <http://universitypolicy.gmu.edu/>. All members of the university community are responsible for knowing and following established policies.